

mobile device. In response to receiving from the second acquirer system an indication that the transaction is not authorized, a denial message can be sent to the first mobile device and the second mobile device.

[0021] In some cases, a communication can be received from the second mobile device that identifies a second financial account to which the payment is directed. In such cases, in response to receiving at the second acquirer system an indication that the transaction is authorized, a payment notification message can be generated, a system maintaining the second financial account can be identified based on the communication identifying the second financial account, and the payment notification message can be sent to the system maintaining the second financial account.

[0022] In some cases, the second acquirer system can comprise, for example, a payments system. In such cases, a request for authorization of the transaction can be sent from the payment system to a financial institution maintaining the first financial account. An indication of authorization from the financial institution can be received at the payment system. The indication of whether the transaction is authorized can be to the first acquirer system from the payment system based on the indication of authorization from the financial institution.

[0023] The first financial account can comprise a credit account and the first financial institution can comprise the issuer of the credit account. In another case, the first financial account can comprise a debit account and the financial institution can comprise the holder of the debit account. In another example, the first financial account can comprise a demand deposit account and the financial institution can comprise the holder of the demand deposit account. In yet another example, the first financial account can comprise a stored value account and the second acquirer system can comprise a system maintaining information related to the stored value account. In still another example, the first financial account can comprise a loyalty account and the second acquirer system can comprise a system maintaining information related to the loyalty account.

#### BRIEF DESCRIPTION OF THE DRAWINGS

[0024] FIG. 1 is a block diagram illustrating an exemplary environment in which embodiments of the present invention may be implemented.

[0025] FIG. 2 is a block diagram illustrating an exemplary computer system upon which embodiments of the present invention may be implemented.

[0026] FIG. 3 is block diagram illustrating, at a high level, a system for processing transactions utilizing a mobile electronic device according to one embodiment of the present invention.

[0027] FIG. 4 is a block diagram illustrating additional details of the system of FIG. 3 according to one embodiment of the present invention.

[0028] FIG. 5 is a block diagram illustrating components of an exemplary point of sale device that may be used with various embodiments of the present invention.

[0029] FIG. 6 is a block diagram illustrating components of an exemplary mobile device that may be used in various embodiments of the present invention.

[0030] FIG. 7 is a flowchart illustrating a process for a mobile commerce gateway according to one embodiment of the present invention.

[0031] FIG. 8 is a block diagram illustrating elements of a mobile commerce system for enrollment and/or registration of a customer or device according to one embodiment of the present invention.

[0032] FIG. 9 is a flowchart illustrating a process for enrollment and/or registration of a customer or device in a mobile commerce system according to one embodiment of the present invention.

[0033] FIG. 10 is a block diagram illustrating elements of a mobile commerce system for provisioning a mobile wallet according to one embodiment of the present invention.

[0034] FIG. 11 is a flowchart illustrating a process for mobile wallet provisioning according to one embodiment of the present invention.

[0035] FIG. 12 is a block diagram illustrating elements of a mobile commerce system for performing account information lookup according to one embodiment of the present invention.

[0036] FIG. 13 is a flowchart illustrating a process for performing account information lookup according to one embodiment of the present invention.

[0037] FIG. 14 is a block diagram illustrating elements of a mobile commerce system for providing marketing messages according to one embodiment of the present invention.

[0038] FIG. 15 is a flowchart illustrating a process for providing marketing messages in a mobile commerce system according to one embodiment of the present invention.

[0039] FIG. 16 is a block diagram illustrating elements of a mobile commerce system for handling payment transactions according to one embodiment of the present invention.

[0040] FIG. 17 is a flowchart illustrating a process for handling payment transactions according to one embodiment of the present invention.

[0041] FIG. 18 is a block diagram illustrating elements of a mobile commerce system for handling payments or transfers between mobile devices according to one embodiment of the present invention.

[0042] FIG. 19 is a flowchart illustrating a process for handling payments or transfers between mobile devices according to one embodiment of the present invention.

#### DETAILED DESCRIPTION OF THE INVENTION

[0043] In the following description, for the purposes of explanation, numerous specific details are set forth in order to provide a thorough understanding of the present invention. It will be apparent, however, to one skilled in the art that the present invention may be practiced without some of these specific details. In other instances, well-known structures and devices are shown in block diagram form.

[0044] Embodiments of the invention provide methods and systems for processing various financial transactions initiated by or otherwise involving use of a contactless or mobile device. In some such embodiments, the processes are executed by an entity on behalf of one or more client organizations. The description below sometimes provides illustrations that use an example where a client organization is a financial institution, but there is no such requirement for the invention and the methods are intended also to be applicable to other types of organizations that make use of large collections of data. For example, embodiments of the invention may also be used for managing health-care documents or information.

[0045] The description herein sometimes refers to "clients" and to "customers." Reference to "clients" is intended to refer